

introducing a second fluid into the sample processing vessel;

resuspending the magnetic particles in the second fluid by eliminating the magnetic force which held the magnetic particles against the inside wall of the sample processing vessel, and shaking the sample processing vessel in the absence of the magnetic force;

lysing the biological compartments to form a lysis mixture; and

isolating the nucleic acids from the lysis mixture.

34. (Twice Amended) A method of isolating nucleic acids from biological compartments of a fluid sample comprising the steps of:

incubating the sample in a sample processing vessel with magnetic particles which magnetic particles are capable of binding with the biological compartments;

positioning at least one magnet towards the sample processing vessel to hold the magnetic particles against an inside wall of the sample processing vessel by magnetic force;

removing the remaining fluid, from which the biological compartments have been separated, from the sample processing vessel;

introducing a second fluid into the sample processing vessel;

resuspending the magnetic particles in the second fluid by eliminating the magnetic force which held the magnetic particles against the inside wall of the sample processing vessel, and shaking the sample processing vessel in the absence of the magnetic force;

lysing the biological compartments to form a lysis mixture; and

warming the lysis mixture; and